(19) World Intellectual Property Organization

International Bureau



1 (DELE BENEVEN IN BEREND (LEEK BENEVENEN) | 10 III BELEK BENEVENEN IN DER KER DER GEREN 1883 (HER BENEVENEN 1

(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/056770 A3

(51) International Patent Classification7:

C07K 1/00

(21) International Application Number:

PCT/US2004/041440

(22) International Filing Date: 8 December 2004 (08.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/527,875

8 December 2003 (08.12.2003) US

(71) Applicant (for all designated States except US): UNI-VERSITY OF VIRGINIA PATENT FOUNDATION [US/US]; 250 West Main Street, Suite 300, Charlottesville, VA 22902 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HERR, John, C. [US/US]; 895 Old Ballard Road, Charlottesville, VA 22901 (US). SLEIGHT, Susan, B. [US/US]; 1543 Hickory Creek Road, Faber, VA 22938 (US).

(74) Agents: SPARKS, Rodney, L. et al.; University of Virginia Patent Foundation, 1224 West Main Street, Suite 1-110, Charlottesville, VA 22903 (US). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

(88) Date of publication of the international search report: 24 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BAND 5: A HUMAN TESTIS SPECIFIC PROTEIN

(57) Abstract: The present invention provides novel band 5 testis-specific polypeptides and nucleic acids. The present invention also provides methods of inhibiting band 5 gene and protein expression, as well as methods of identifying and using inhibitors of band 5 gene and protein expression and activity.